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(54) Title: MODULATION OF FLOWERING TIME BY THE PFT1 LOCUS

(57) Abstract: The *PFT1* (Phytochrome and Flowering Time 1) locus is described and identified. *PFT1* acts in a light-quality pathway downstream of *phyB* that acts through modulation of *FT* transcription. Plants containing a truncated *pft1* gene display an altered shade avoidance syndrome including an increase in time to flowering. The corresponding *PFT1* gene has been isolated and characterized. Recombinant vectors, recombinant plants containing the *PFT1* gene and methods of using the *PFT1* gene to modulate a photosensitive trait, especially time to flowering, are described.

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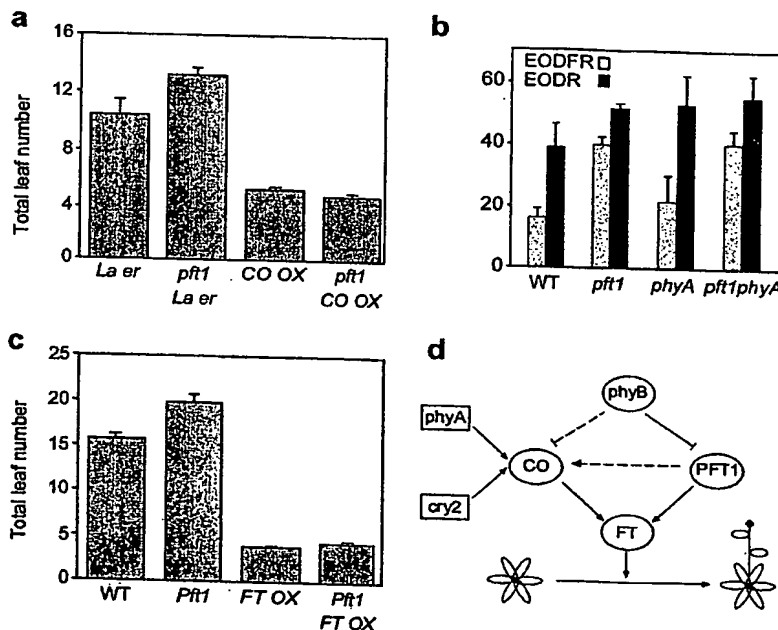
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